

10/762,389

[002] This application claims priority from German Application Serial ♦♦
 No. 103 02 502.2 filed January 3, 2003. ♦♦

[003] FIELD OF THE INVENTION ♦♦

[004] The invention relates to a gear selector device for a motor vehicle
 ~~according to the preamble of claim 1.~~ ♦♦

[005] BACKGROUND OF THE INVENTION ♦♦

[010] Therefore, the problem on which the invention is based is to reduce in
 such a gear selector device having several gear wheels and sliding sleeves
 associated with a transmission shaft, the construction cost needed for actuation
 of the individual sliding sleeves, the total weight and the susceptibility to
 interferences. ~~Said problem is solved by the invention outlined in claim 1.~~ ♦♦
 ~~Advantageous embodiments and developments of the invention are outlined in~~ ♦♦
 ~~the sub-claims.~~ ♦♦

[011] SUMMARY OF THE INVENTION ♦♦

[021] BRIEF DESCRIPTION OF THE DRAWINGS ♦♦

[022] The invention is ~~explained here below~~ will now be described, by way of ♦♦
 example, with reference to the drawing accompanying drawings in which shows: ♦♦

[026] DETAILED DESCRIPTION OF THE INVENTION ♦♦

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Reference numerals

| | | |
|------------------------|---|---|
| 1 transmission shaft | 25 radial bearing | |
| 2 gear wheel | 26 oil supply hole | |
| 3 gear wheel | 27 direction | |
| 4 sliding sleeve | 28 direction | |
| 5 sliding toothing | 29 direction | |
| 6 oil supply hole | 30 direction | |
| 7 pressure medium pipe | 31 star-shaped distributor | |
| 8 clearance | 32 ribs | |
| 9 connecting hole | 33 chambers | |
| 10 oil supply hole | 34 friction cone | |
| 11 bore | 35 supply hole | |
| 12 inner toothing | 36 synchronizer toothing, <u>gear rings</u> | ❖ |
| 13 inner toothing | 37 synchronizer toothing, <u>gear rings</u> | ❖ |
| 14 radial bearing | 38 oil space | |
| 15 radial bearing | 39 oil space | |
| 16 seal | 40 toothing | |
| 17 flange | 41 friction cone | |
| 18 gear wheel | 42 spline | |
| 19 gear wheel | 43 spline | |
| 20 sliding sleeve | 44 direction | |
| 21 inner toothing | 45 shifting device | |
| 22 inner toothing | 46 shifting device | |
| 23 sliding toothing | 47 synchronizer toothing, <u>gear rings</u> | ❖ |
| 24 radial bearing | 48 synchronizer toothing, <u>gear rings</u> | ❖ |